

CLAIMS

- 1    1. A roller stop for a sectional door having a plurality of hinged panels, rollers attached to the panels, and a pair of tracks receiving the rollers for guiding the sectional door between a closed vertical position and an open horizontal position, the roller stop comprising, a body portion, and at least one clamping member associated with said body portion adapted to engage one of the tracks, wherein said body portion is adapted to contact at least one of the rollers to temporarily maintain the sectional door in a predetermined position.
- 1    2. A roller stop according to claim 1, wherein a first clamping member and a second clamping member are adapted to attach the roller stop to the tracks.
- 1    3. A roller stop according to claim 2, wherein said first clamping member includes a first extension arm springingly related to a first opposed section, and said second clamping member includes a second extension arm springingly related to a second opposed section.
- 1    4. A roller stop according to claim 3, wherein a first tab is provided in said first extension arm and a second tab is provided in said second extension arm, said first tab and said second tab adapted to crimpingly engage the tracks.
- 1    5. A roller stop according to claim 1, wherein said body portion is ribbon-shaped and includes a concave portion interposed between a first convex portion and a second convex portion, said concave portion being adapted to receive the rollers.

- 1    6. A roller stop according to claim 5, wherein when the sectional door is  
2       located in said predetermined position, said first convex portion and said  
3       second convex portion are adapted to trap the rollers in said concave  
4       portion.
- 1    7. A sectional door system comprising, a sectional door having a plurality of  
2       adjacent panels hinged for moving between a closed substantially vertical  
3       position and a open substantially horizontal position, rollers attached to  
4       the panels, a pair of tracks for receiving and guiding said rollers, and a  
5       roller stop to temporarily hold the sectional door in a predetermined  
6       position.
- 1    8. A sectional door system according to claim 7, wherein said roller stop is  
2       attached to said tracks.
- 1    9. A sectional door system according to claim 7, wherein said tracks include  
2       vertical track portions and horizontal track portions, and said roller stop  
3       is attached to said horizontal track portions.
- 1    10. A sectional door system according to claim 7, wherein said roller stop  
2       includes a ribbon-shaped body, and a first clamping member and second  
3       clamping member extending outwardly from either end of said ribbon-  
4       shaped body, said ribbon-shaped body being adapted to trap said rollers.
- 1    11. A sectional door system according to claim 10, wherein said first clamping  
2       member and said second clamping member attach said roller stop to said  
3       tracks.

- 1    12. A sectional door system according to claim 11, wherein said first clamping  
2       member includes a first extension arm and a first opposed section and said  
3       second clamping member includes a second extension arm and a second  
4       opposed section.
  
- 1    13. A sectional door system according to claim 12, wherein a first tab is  
2       provided in said first extension arm and a second tab is provided in said  
3       second extension arm, said first tab and said second tab being crimped to  
4       engage said tracks.
  
- 1    14. A sectional door system according to claim 7, wherein said roller stop has  
2       a ribbon-shaped body including a concave portion interposed between a  
3       first convex portion and a second convex portion, said concave portion  
4       being adapted to receive said rollers.
  
- 1    15. A sectional door system according to claim 14, wherein when said  
2       sectional door is located in said predetermined position, said rollers are  
3       trapped between said first convex portion and said second convex portion  
4       proximate said concave portion.
  
- 1    16. A method for temporarily positioning hinged panels of a sectional door for  
2       a building opening in a substantially horizontal open position, comprising  
3       the steps of;  
4                 moving the sectional door by transitioning the panels along tracks  
5       from a substantially vertical closed position toward the substantially  
6       horizontal open position;

7                   displacing the door in the tracks to said substantially horizontal  
8                   open position where the door does not hang down into the building  
9                   opening; and

10                  temporarily restraining the door in said substantially horizontal  
11                  open position without hang down into the building opening.

1     17. A method for temporarily positioning hinged panels of a sectional door  
2                  according to claim 16, wherein said step of displacing the door in the  
3                  tracks includes the step of overcoming the counterbalance force tending  
4                  to return the door to a hang down position.

1     18. A method for temporarily positioning hinged panels of a sectional door  
2                  according to claim 16, wherein said step of temporarily restraining the  
3                  door in the substantially horizontal open position includes the step of  
4                  counteracting the counterbalance force tending to return the door to a  
5                  hang down position.

1     19. A sectional door system comprising, a sectional door having a plurality of  
2                  adjacent panels hinged for moving between a closed substantially vertical  
3                  position and a open substantially horizontal position, rollers attached to  
4                  the panels, a pair of tracks for receiving and guiding said rollers, and stop  
5                  means for temporarily holding said sectional door in a predetermined  
6                  position.

1     20. A sectional door system according to claim 19, wherein said stop means  
2                  includes a body portion having a concave portion interposed between a  
3                  pair of convex portions serving to restrain travel of said rollers.

1    21. A sectional door system according to claim 19, wherein said stop means  
2       includes means for attaching said stop means to said tracks.

1    22. A sectional door system according to claim 21, wherein said means for  
2       attaching said stop means to said tracks includes at least one clamping  
3       member.